

NATURAL RESOURCES CONSERVATION SERVICE
Wyoming
CONSTRUCTION SPECIFICATIONS
FOR
LAND RECLAMATION
SUBSIDENCE TREATMENT

(Owner/Operator)

(Project Title)

GENERAL

Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.

FOUNDATION PREPARATION

Access shall be carefully controlled to preclude accidents to machinery, equipment, and personnel. Mechanical impact devices shall be used to locate safe routes for machinery and hauling equipment if shown on the plans or if required in the contract documents.

The foundation shall be cleared of trees, brush, and other debris as necessary for construction operations. Wastes shall be disposed of at designated locations. All subsidence holes or other subsided areas shall be shaped to sizes and grades as specified.

EXCAVATING (DAYLIGHTING)

This operation consists of removing the overburden to the mine tunnels and shafts and filling the mine voids with overburden excavation. The approximate extent of the mine voids area is shown in the plans. The actual extent will be determined during the excavation. All abandoned mining equipment found in the mine shall be disposed of as specified. The backfill shall be placed in lifts and compacted as specified. The surface area shall be left in a smooth condition suitable for placement of topsoil.

FILLING UNDERGROUND VOIDS

Fill material shall be mine tailings, soil, fly ash, or other approved material. Materials shall be placed by pneumatic stowing. The system must be capable of placing materials 75 mm (3 in.) or smaller. The materials shall be placed to 80 percent of standard Proctor density. Water shall be added to control dust. If a soil cement seal is required, enough water shall be added to provide for proper soil cement sealing.

SURFACE TREATMENT

Diversions, precision land forming, surface drains, and subsurface drains shall be installed according to the requirements shown in the plans.

PROTECTION

Bare soil areas not to be farmed are to be protected by vegetation. Other materials may be used if soil and climatic conditions preclude the use of vegetation. Appropriate safety measures shall be taken during and after construction. Such measures include warning signs, rescue facilities, gaswarning meters, fences, and mechanical impact testing.

ADDITIONAL SPECIFICATIONS